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16. (New) The heat exchanger as claimed in claim 8, wherein respective vortex generator rows on the first flat face and on the second flat face are arranged in alternating relationship with respect to one another in the direction of the tube longitudinal axis.

17. (New) The heat exchanger as claimed in claim 8, wherein respective vortex generators in at least one row on the first flat face and in the row located at the same longitudinal position on the second flat face are arranged in alternating relationship with respect to one another, in the direction transverse to the tube longitudinal axis.

18. (New) The heat exchanger as claimed in claim 16, wherein the vortex generator rows are arranged at an angle, β , of approximately 10° to 30° with respect to a line transverse to the tube longitudinal axis.

19. (New) The heat exchanger as claimed in claim 8, wherein the vortex generators in respective rows are arranged essentially in straight lines behind one another in the direction of the tube longitudinal axis. 112

20. (New) The heat exchanger as claimed in claim 18, wherein the vortex generators in respective rows are arranged essentially in straight lines behind one another in the direction of the tube longitudinal axis. 112

21. (New) The heat exchanger as claimed in claim 20, wherein there are an odd number of vortex generators in each respective row.

REMARKS

Claims 5 and 8 have been amended, claim 13 has been cancelled, and new claims 16-21 have been added. Thus, claims 1-12 and 14-21 remain in the application. Examination on the merits is respectfully requested in light of these amendments and in light of the provisional election made below.

Some of the subject matter originally included in claims 5 and 8 has been removed therefrom and included in several new claims, to provide more clarity and to provide a